

Claims

1. An arrangement for compensating the scattering of a wavelength division multiplex signal (WDM_v), characterized in that the angle of incidence (α) of a light beam (LS) transmitting the WDM signal (WDM_v) is changed relative to the longitudinal axis (LA) of a Bragg filter (BG) and a wavelength-dependent damping with variable gradient ($m_0 - m_4$) is thereby achieved in the transmission range.
2. The arrangement as claimed in claim 1, characterized in that the Bragg filter (BG) is arranged in a fixed position and that the angle of incidence (α) is variable by means of a mirror (MR1) which is implemented as a microelectromechanical system (MES1).
3. The arrangement as claimed in claim 1 or 2, characterized in that downstream of the Bragg filter (BG) there is connected a further microelectromechanical system (MES2) by means of which linear adjustment of the damping of the WDM signal (WDM) was achieved.
4. The arrangement as claimed in claim 2 or 3, characterized in that two mirror-filter combinations (SBG1, SBG2) are connected in series in functional terms.
5. The arrangement as claimed in one of the preceding claims, characterized in that a control or regulating device (RE) measures the power of

at least two control signals or data signals of the WDM signal (WDM_0) or the total power of the WDM signal (WDM_0) and adjusts the scattering and/or damping by control of microelectromechanical systems (MES1, MES2).